

1	C C T G A A G G G A G A G C A G G G A G	original Figure 1A-1D. SEQ
1	C C T - - - - -	deposited clone. SEQ
21	A G A G A G G A C A G T G G C C A G A G	original Figure 1A-1D. SEQ
4	- - - - -	deposited clone. SEQ
41	A G G G C T C T G G G C A C T G G A G G	original Figure 1A-1D. SEQ
4	- - - - -	deposited clone. SEQ
61	G A C G C T C T T C T T C C T G C C C A	original Figure 1A-1D. SEQ
4	- - - - -	deposited clone. SEQ
81	G G G G T C C C T G G G C C G A T G G G	original Figure 1A-1D. SEQ
4	- - - - -	deposited clone. SEQ
101	A T C A C G C A G A A G A A T G C G A G	original Figure 1A-1D. SEQ
4	- - - - -	deposited clone. SEQ
121	A G A A G C A G C C T T T G A G A A G G	original Figure 1A-1D. SEQ
4	- - - - -	deposited clone. SEQ
141	G A A G T C A C T A T C C C A G A G C C	original Figure 1A-1D. SEQ
4	- - - - -	deposited clone. SEQ
161	C A G A C T G A G C G G A T G G A G T T	original Figure 1A-1D. SEQ
4	- - - - -	deposited clone. SEQ
181	G A G G A A G T A C G G C C C T G G A A	original Figure 1A-1D. SEQ
4	- - - - -	deposited clone. SEQ
201	G A C T G G C G G G G A C A G T T A T A	original Figure 1A-1D. SEQ
4	- - - - -	deposited clone. SEQ
221	G G A G G A G C T G C T C A G A G T A A	original Figure 1A-1D. SEQ
4	- - - - -	deposited clone. SEQ
241	A T C A C A G A C T A A A T C A G A C T	original Figure 1A-1D. SEQ
4	- - - - -	deposited clone. SEQ
261	C A A T C A C A A A A G A G T T C C T G	original Figure 1A-1D. SEQ
4	- - - - -	deposited clone. SEQ
281	C C A G G C C T T T A C A C A G C C C C	original Figure 1A-1D. SEQ
4	- - - - -	deposited clone. SEQ
301	T T C C T C C C C G T T C C C G C C C T	original Figure 1A-1D. SEQ
4	- T C C T C C C C G T T C C C G C C C T	deposited clone. SEQ

321	C A C A G G T G A G T G A C C A C C A A	original Figure 1A-1D. SEQ
23	C A C A G G T G A G T G A C C A C C A A	deposited clone. SEQ
341	G T G C T A A A T G A C G C C G A G G T	original Figure 1A-1D. SEQ
43	G T G C T A A A T G A C G C C G A G G T	deposited clone. SEQ
361	T G C C G C C C T C C T G G A G A A C T	original Figure 1A-1D. SEQ
63	T G C C G C C C T C C T G G A G A A C T	deposited clone. SEQ
381	T C A G C T C T T C C T A T G A C T A T	original Figure 1A-1D. SEQ
83	T C A G C T C T T C C T A T G A C T A T	deposited clone. SEQ
401	G G A G A A A A C G A G A G T G A C T C	original Figure 1A-1D. SEQ
103	G G A G A A A A C G A G A G T G A C T C	deposited clone. SEQ
421	G T G C T G T A C C T C C C C G C C C T	original Figure 1A-1D. SEQ
123	G T G C T G T A C C T C C C C G C C C T	deposited clone. SEQ
441	G C C C A C A G G A C T T C A G C C T G	original Figure 1A-1D. SEQ
143	G C C C A C A G G A C T T C A G C C T G	deposited clone. SEQ
461	A A C T T C G A C C G G G C C T T C C T	original Figure 1A-1D. SEQ
163	A A C T T C G A C C G G G C C T T C C T	deposited clone. SEQ
481	G C C A G C C C T C A A C A G C C T C C	original Figure 1A-1D. SEQ
183	G C C A G C C C T C T A C A G C C T C C	deposited clone. SEQ
501	T C T T T C T G C T G G G G C T G C T G	original Figure 1A-1D. SEQ
203	T C T T T C T G C T G G G G C T G C T G	deposited clone. SEQ
521	G G C A A C G G C G C G G T G G C A G C	original Figure 1A-1D. SEQ
223	G G C A A C G G C G C G G T G G C A G C	deposited clone. SEQ
541	C G T G C T G C T G A G C C G G C G G A	original Figure 1A-1D. SEQ
243	C G T G C T G C T G A G C C G G C G G A	deposited clone. SEQ
561	C A G C C C T G A G C A G C A C C G A C	original Figure 1A-1D. SEQ
263	C A G C C C T G A G C A G C A C C G A C	deposited clone. SEQ
581	A C C T T C C T G C T C C A C C T A G C	original Figure 1A-1D. SEQ
283	A C C T T C C T G C T C C A C C T A G C	deposited clone. SEQ
601	T G T A G C A G A C A C G C T G C T G G	original Figure 1A-1D. SEQ
303	T G T A G C A G A C A C G C T G C T G G	deposited clone. SEQ
621	T G C T G A C A C T G C C G C T C T G G	original Figure 1A-1D. SEQ
323	T G C T G A C A C T G C C G C T C T G G	deposited clone. SEQ

641	G C A G T G G A C G C T G C C G T C C A	original Figure 1A-1D. SEQ
343	G C A G T G G A C G C T G C C G T C C A	deposited clone. SEQ
661	G T G G G T C T T T G G C T C T G G C C	original Figure 1A-1D. SEQ
363	G T G G G T C T T T G G C T C T G G C C	deposited clone. SEQ
681	T C T G C A A A G T G G C A G G T G C C	original Figure 1A-1D. SEQ
383	T C T G C A A A G T G G C A G G T G C C	deposited clone. SEQ
701	C T C T T C A A C A T C A A C T T C T A	original Figure 1A-1D. SEQ
403	C T C T T C A A C A T C A A C T T C T A	deposited clone. SEQ
721	C G C A G G A G C C C T C C T G C T G G	original Figure 1A-1D. SEQ
423	C G C A G G A G C C C T C C T G C T G G	deposited clone. SEQ
741	C C T G C A T C A G C T T T G A C C G C	original Figure 1A-1D. SEQ
443	C C T G C A T C A G C T T T G A C C G C	deposited clone. SEQ
761	T A C C T G A A C A T A G T T C A T G C	original Figure 1A-1D. SEQ
463	T A C C T G A A C A T A G T T C A T G C	deposited clone. SEQ
781	C A C C C A G C T C T A C C G C C G G G	original Figure 1A-1D. SEQ
483	C A C C C A G C T C T A C C G C C G G G	deposited clone. SEQ
801	G G C C C C C G G C C C G C G T G A C C	original Figure 1A-1D. SEQ
503	G G C C C C C G G C C C G C G T G A C C	deposited clone. SEQ
821	C T C A C C T G C C T G G C T G T C T G	original Figure 1A-1D. SEQ
523	C T C A C C T G C C T G G C T G T C T G	deposited clone. SEQ
841	G G G G C T C T G C C T G C T T T T C G	original Figure 1A-1D. SEQ
543	G G G G C T C T G C C T G C T T T T C G	deposited clone. SEQ
861	C C C T C C C A G A C T T C A T C T T C	original Figure 1A-1D. SEQ
563	C C C T C C C A G A C T T C A T C T T C	deposited clone. SEQ
881	C T G T C G G C C C A C C A C G A C G A	original Figure 1A-1D. SEQ
583	C T G T C G G C C C A C C A C G A C G A	deposited clone. SEQ
901	G C G C C T C A A C G C C A C C C A C T	original Figure 1A-1D. SEQ
603	G C G C C T C A A C G C C A C C C A C T	deposited clone. SEQ
921	G C C A A T A C A A C T T C C C A C A G	original Figure 1A-1D. SEQ
623	G C C A A T A C A A C T T C C C A C A G	deposited clone. SEQ
941	G T G G G C C G C A C G G C T C T G C G	original Figure 1A-1D. SEQ
643	G T G G G C C G C A C G G C T C T G C G	deposited clone. SEQ

961	G G T G C T G C A G C T G G T G G C T G	original Figure 1A-1D. SEQ
663	G G T G C T G C A G C T G G T G G C T G	deposited clone. SEQ
981	G C T T T C T G C T G C C C C T G C T G	original Figure 1A-1D. SEQ
683	G C T T T C T G C T G C C C C T G C T G	deposited clone. SEQ
1001	G T C A T G G C C T A C T G C T A T G C	original Figure 1A-1D. SEQ
703	G T C A T G G C C T A C T G C T A T G C	deposited clone. SEQ
1021	C C A C A T C C T G G C C G T G C T G C	original Figure 1A-1D. SEQ
723	C C A C A T C C T G G C C G T G C T G C	deposited clone. SEQ
1041	T G G T T T C C A G G G G C C A G C G G	original Figure 1A-1D. SEQ
743	T G G T T T C C A G G G G C C A G C G G	deposited clone. SEQ
1061	C G C C T G C G G G C C A T G C G G G C T	original Figure 1A-1D. SEQ
763	C G C C T G C G G G C C A T G C G G G C T	deposited clone. SEQ
1081	G G T G G T G G T G G T C G T G G T G G	original Figure 1A-1D. SEQ
783	G G T G G T G G T G G T C G T G G T G G	deposited clone. SEQ
1101	C C T T T G C C C T C T G C T G G A C C	original Figure 1A-1D. SEQ
803	C C T T T G C C C T C T G C T G G A C C	deposited clone. SEQ
1121	C C C T A T C A C C T G G T G G T G C T	original Figure 1A-1D. SEQ
823	C C C T A T C A C C T G G T G G T G C T	deposited clone. SEQ
1141	G G T G G A C A T C C T C A T G G A C C	original Figure 1A-1D. SEQ
843	G G T G G A C A T C C T C A T G G A C C	deposited clone. SEQ
1161	T G G G C G C T T T G G C C C G C A A C	original Figure 1A-1D. SEQ
863	T G G G C G C T T T G G C C C G C A A C	deposited clone. SEQ
1181	T G T G G C C G A G A A A G C A G G G T	original Figure 1A-1D. SEQ
883	T G T G G C C G A G A A A G C A G G G T	deposited clone. SEQ
1201	A G A C G T G G C C A A G T C G G T C A	original Figure 1A-1D. SEQ
903	A G A C G T G G C C A A G T C G G T C A	deposited clone. SEQ
1221	C C T C A G G C C T G G G C T A C A T G	original Figure 1A-1D. SEQ
923	C C T C A G G C C T G G G C T A C A T G	deposited clone. SEQ
1241	C A C T G C T G C C T C A A C C C G C T	original Figure 1A-1D. SEQ
943	C A C T G C T G C C T C A A C C C G C T	deposited clone. SEQ
1261	G C T C T A T G C C T T T G T A G G G G	original Figure 1A-1D. SEQ
963	G C T C T A T G C C T T T G T A G G G G	deposited clone. SEQ

1281	T C A A G T T C C G G G A G C G G A T G	original Figure 1A-1D. SEQ
983	T C A A G T T C C G G G A G C G G A T G	deposited clone. SEQ
1301	T G G A T G C T G C T C T T G C G C C T	original Figure 1A-1D. SEQ
1003	T G G A T G C T G C T C T T G C G C C T	deposited clone. SEQ
1321	G G G C T G C C C A A C C A G A G A G	original Figure 1A-1D. SEQ
1023	G G G C T G C C C A A C C A G A G A G	deposited clone. SEQ
1341	G G C T C C A G A G G C A G C C A T C G	original Figure 1A-1D. SEQ
1043	G G C T C C A G A G G C A G C C A T C G	deposited clone. SEQ
1361	T C T T C C C G C C G G A T T C A T C	original Figure 1A-1D. SEQ
1063	T C T T C C C G C C G G A T T C A T C	deposited clone. SEQ
1381	C T G G T C T G A G A C C T C A G A G G	original Figure 1A-1D. SEQ
1083	C T G G T C T G A G A C C T C A G A G G	deposited clone. SEQ
1401	C C T C C T A C T C G G G C T T G T G A	original Figure 1A-1D. SEQ
1103	C C T C C T A C T C G G G C T T G T G A	deposited clone. SEQ
1421	G G C C G G A A T C C G G G C T C C C C	original Figure 1A-1D. SEQ
1122		deposited clone. SEQ
1441	T T T C G C C C A C A G T C T G A C T T	original Figure 1A-1D. SEQ
1122		deposited clone. SEQ
1461	C C C C G C A T T C C A G G G C T C C T C	original Figure 1A-1D. SEQ
1122		deposited clone. SEQ
1481	C C T C C C T C T G C C G G C T C T G G	original Figure 1A-1D. SEQ
1122		deposited clone. SEQ
1501	C T C T C C C C A A T A T C C T C G C T	original Figure 1A-1D. SEQ
1122		deposited clone. SEQ
1521	C C C G G G A C T C A C T G G C A G C C	original Figure 1A-1D. SEQ
1122		deposited clone. SEQ
1541	C C A G C A C C A C C A G G T C T C C C	original Figure 1A-1D. SEQ
1122		deposited clone. SEQ
1561	G G G A A G C C A C C C T C C C A G C T	original Figure 1A-1D. SEQ
1122		deposited clone. SEQ
1581	C T G A G G A C T G C A C C A T T G C T	original Figure 1A-1D. SEQ
1122		deposited clone. SEQ

1601 G C T C C T T A G C T G C C A A G C C C original Figure 1A-1D. SEQ  
1122 deposited clone. SEQ

1621 C A T C C T G C C G C C C G A G G T G G original Figure 1A-1D. SEQ  
1122 deposited clone. SEQ

1641 C T G C C T G G A G C C C C A C T G C C original Figure 1A-1D. SEQ  
1122 deposited clone. SEQ

1661 C T T C T C A T T T G G A A A C T A A A original Figure 1A-1D. SEQ  
1122 deposited clone. SEQ

1681 A C T T C A T C T T C C C C A A G T G C original Figure 1A-1D. SEQ  
1122 deposited clone. SEQ

1701 G G G G A G T A C A A G G C A T G G C G original Figure 1A-1D. SEQ  
1122 deposited clone. SEQ

1721 T A G A G G G T G C T G C C C C A T G A original Figure 1A-1D. SEQ  
1122 deposited clone. SEQ

1741 A G C C A C A G C C C A G G C C T C C A original Figure 1A-1D. SEQ  
1122 deposited clone. SEQ

1761 G C T C A G C A G T G A C T G T G G C C original Figure 1A-1D. SEQ  
1122 deposited clone. SEQ

1781 A T G G T C C C C A A G A C C T C T A T original Figure 1A-1D. SEQ  
1122 deposited clone. SEQ

1801 A T T T G G T C T T T A T T T T A T original Figure 1A-1D. SEQ  
1122 deposited clone. SEQ

1821 G T C T A A A A T C C T G C T T A A A A original Figure 1A-1D. SEQ  
1122 deposited clone. SEQ

1841 C T T T T C A A T A A A C A A G A T C G original Figure 1A-1D. SEQ  
1122 deposited clone. SEQ

1861 T C A G G A A A A A A A A A A original Figure 1A-1D. SEQ  
1122 deposited clone. SEQ

Decoration 'Decoration #1': Shade (with solid black) residues  
that match the Consensus exactly.

# FIG. 1A

10 CCTGAAAGGGAGGCCAGGAGGAGGAGGACAGTGGCCAGAGAGGGCTCTGGGCACTGGAGG  
70 GACGCTCTTCTTCCAGGGGTCCCTGGCCGATGGATCACGGCAGAAGAATGCGAG  
110  
130 AGAAGCAGCCCTTGAGAAGGGAAAGTCACATCCCAGAGCCCAGACTGAGCGGGATGGAGTT  
150  
170  
190 GAGGAAGTACGGCCCTGGAAGACTGGGGGACAGTTATAGGAGGACTGCTCAGAGTAA  
210 R K Y G P G R L A G T V I G G A A Q S K  
250 S Q T K S D S I T K E F L P G L Y T A P  
270  
290  
ATCACAGACTAAATCAGACTCAAATCACAAAAGAGTTCCAGGCCCTTACACAGCCCC  
310 S S P F P P S Q V S D H Q V L N D A E V  
330  
350 TTCCCTCCCCGTTCCCCCTCACAGGTGAGTGCACCAAGTGCTAAATGACGCCGGAGGT  
370 S S P F P P S Q V S D H Q V L N D A E V  
390  
410  
TGCCGCCCTCCTGGAGAACTTCAGCTCTCCCTATGACTATGGAGAAAACGAGAGTGACTC  
430 A A L L E N F S S S Y D Y G E N E S D S  
450  
470  
GTGCTGTACCTCCCCGCCCTGGAGAACTTCAGGACTTCAGCCTGAACTTCAGGCCCTTCCT  
C C T S P P C P Q D F S L N F D R A F L

FIG. 1B

490	GCAGCCCTACAGCCTCCTGGCTGGCAACGGGGCTGCTGGGCTCTGGCTGGGCTGGCAGC	510	530
P A	L Y S L F L L G L L G N G A V A A		
550	CGTGCCTGAGCCGGACAGCCCTGAGCAGCACCGACACCTTCCTGCTCCACCTAGC	570	590
V L	S R R T A L S S T D T F L L H L A		
610	TGTAGCAGACACGGCTGGCTGACACTGCCGCTCTGGCAGTGGACGGCTGCCGTCCA	630	650
V A	D T L L V L T L P L W A V D A A V Q		
670	GTGGGTCTTGGCTCTGGCCTCTGGCAAAAGTGGCAGGTGCCCTCTCAACATCAACTTCTA	690	710
W V	F G S G L C K V A G A L F N I N F Y		
730	CGCAGGAGCCCTCCTGCTGGCCTGCATCAGCTTGAACGCTACCTGAAACATAGTTCATGC	750	770
A G	A L L A C I S F D R Y L N I V H A		
790	CCCCAGCTACGCCGGGGCCCCGGCGGTGACCCCTCACCTGGCTGGCTGCTGCTGCTG	810	830
T Q	L Y R R G P P A R V T L T C L A V W		
850	GGGCTCTGCCTTGCCTCCAGACTCATCTTCCACCGACCAACGACGA	870	890
G L	C L L F A L P D F I F L S A H H D E		

FIG. 1C

910	GGGCCTAACGCCACCCACTGCCAATA	ACTTCCCACAGGTGGGCCACGGCTCTGCGC	930	950															
R	L	N	A	T	H	C	Q	Y	N	F	P	Q	V	G	R	T	A	L	R
970	GGTGCTGCAGCTGGCTGGCTTTCTGCTGCC	CCTGCTGGTCA	990	1010															
V	L	Q	L	V	A	G	F	L	L	P	L	L	V	M	A	Y	C	Y	A
1030	CCACATCCTGGCCCGTGGCTGGTTTC	CAGGGGCCAGGGCC	1050	1070															
H	I	L	A	V	L	V	S	R	G	Q	R	R	L	R	A	M	R	L	
1090	GGTGGTGGTGGCTGGCTGGCCCTT	TGGCCCTCTGCTGGACCCCC	1110	1130															
V	V	V	V	A	F	A	L	C	W	T	P	Y	H	L	V	V	L		
1150	GGTGACATCCTCATGGACCTGGCGCTT	TGGCCCGCAACTGTGGC	1170	1190															
V	D	I	L	M	D	L	G	A	L	A	R	N	C	G	R	E	S	R	V
1210	AGACGTGCCAAGTCGGTCAACCTCAGGCC	TGGCTACATGCCACTG	1230	1250															
D	V	A	K	S	V	T	S	G	L	G	Y	M	H	C	C	L	N	P	L
1270	GCTCTATGCCTTTGTAGGGTCAAGT	TCCGGGAGCGGATGTGG	1290	1310															
L	Y	A	F	V	G	V	K	F	R	E	R	M	W	M	L	L	R	L	

## FIG. 1D

1330	GGGCTGCCAACCAACCAGAGGGCTCCAGAGGCAGCCATGGCTTCCGGGGATTCATC	1350	1370
G C P N Q R G L Q R Q P S S R R D S S			
1390	CTGGTCTGAGACCTCAGAGGCCTCCTACTCGGGCTTGTGAGGGCGAATCGGGCTCCCC	1410	1430
W S E T S E A S Y S G L *			
1450	TTTCGCCCACAGTCTGACTTCCCCGATTCCAGGCTCCTCCCCCTCTGCCGGCTCTGG	1470	1490
		1530	1550
1510	CTCTCCCCAATATCCTCGCTCCCCGACTCACTGGCAGCCCCAGCACACCAGGTCTCCC		
1570	GGGAAGCCACCCTCCCAAGCTCTGAGGACTGCACCATTGGCTCCCTTAGCTGCCAAGGCC	1590	1610
1630	CATCCTGCCCGAGGTGGCTGCCCACTGGAGCCCCACTGCCCTCTCATTGGAAACTAAA	1650	1670
1690	ACTTCATCTCCCCAAGTGGGGAGTACAAGGCATGGCGTAGAGGGTGGTGCCTGCCCCATGA	1710	1730
1750	AGCCACAGCCAGGCCTCAGCTCAGCAGTGAAGTGGCCATGGTCCCCAAGACCTCTAT	1770	1790
1810	ATTGGTCTTTTATTGTCTAAATCCTGCTTAAACTTTCAATAAACAGATCG	1830	1850
1870	TCAGGAAAAAA		